

Figure 1

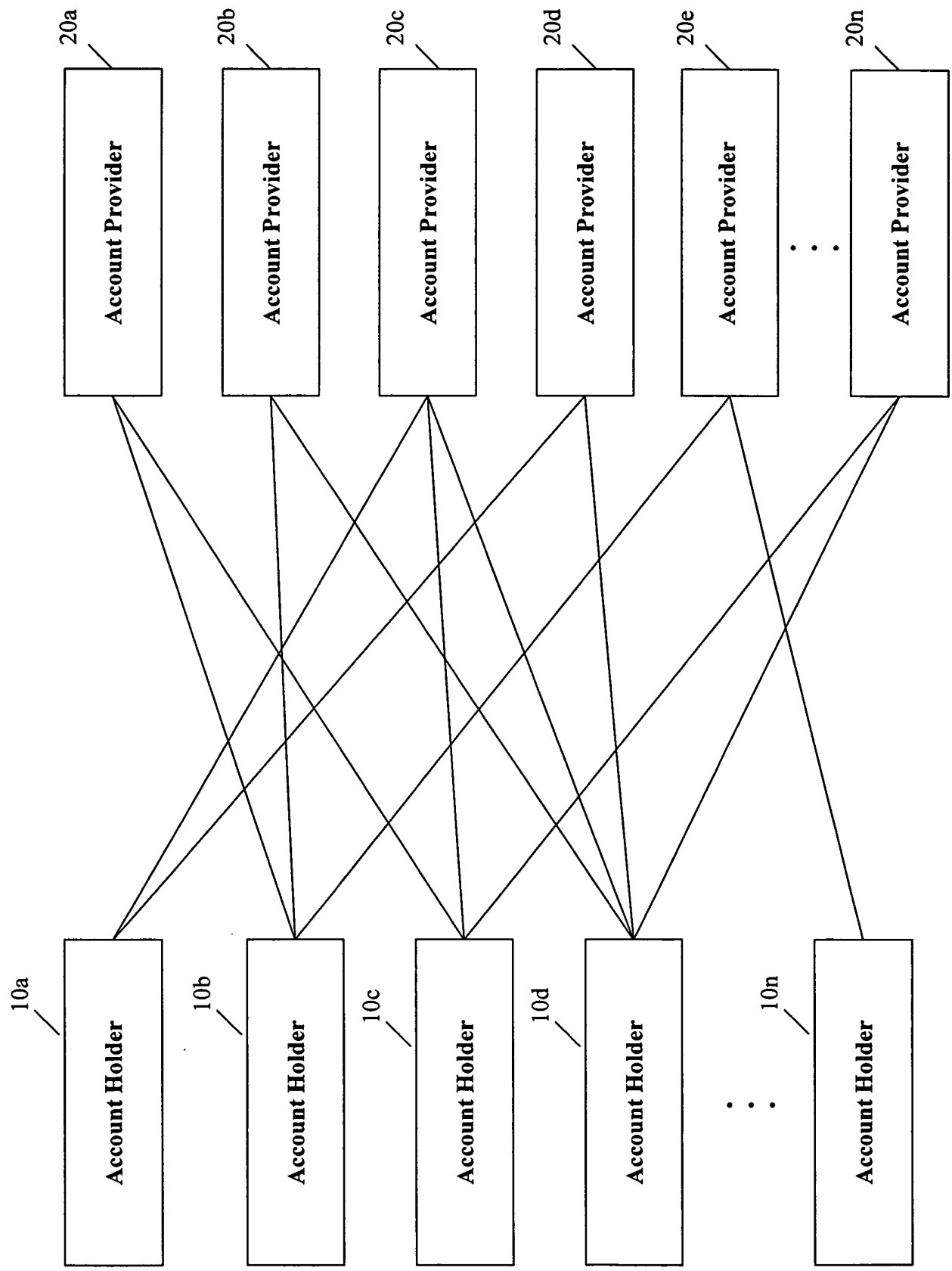
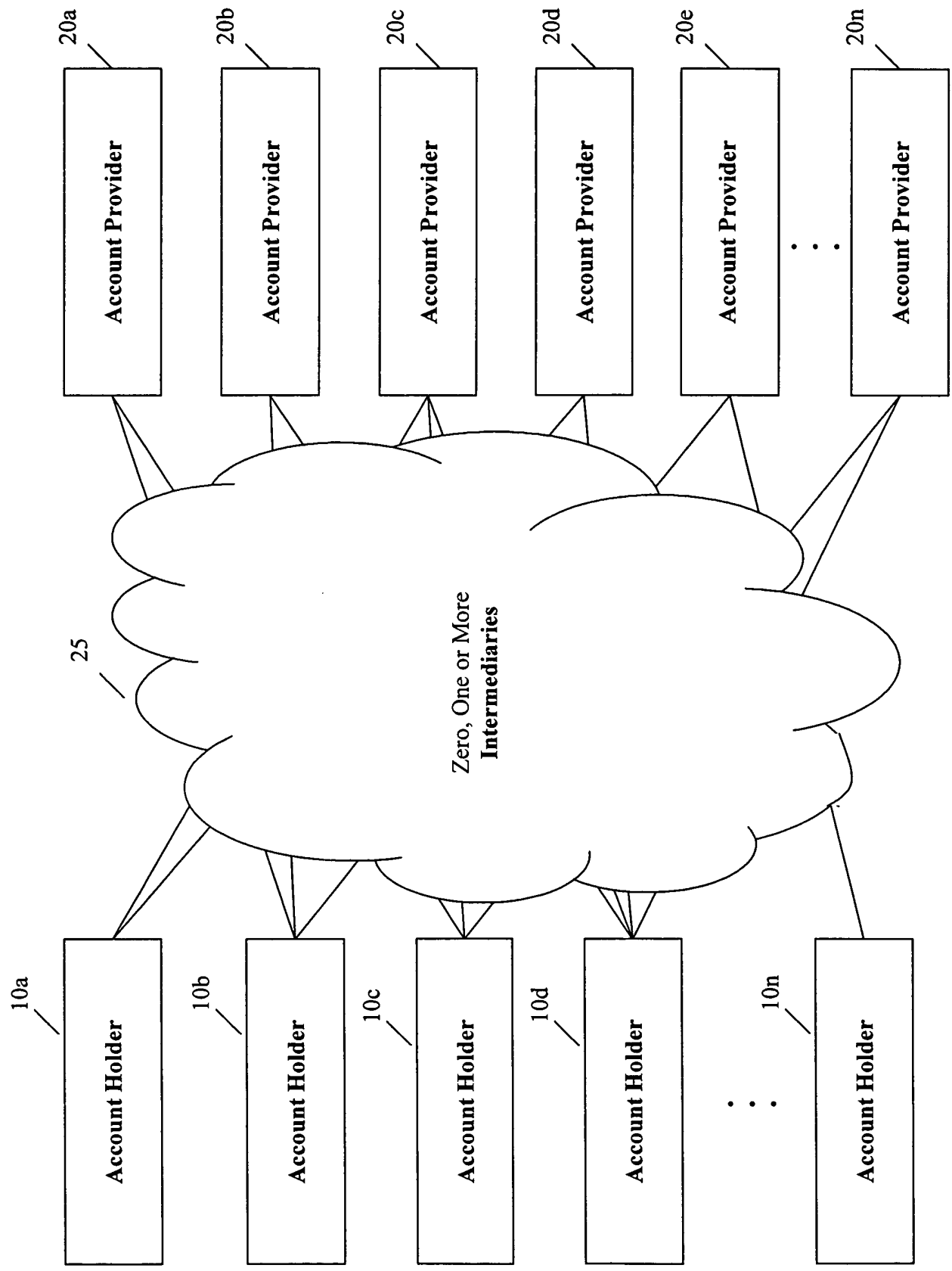
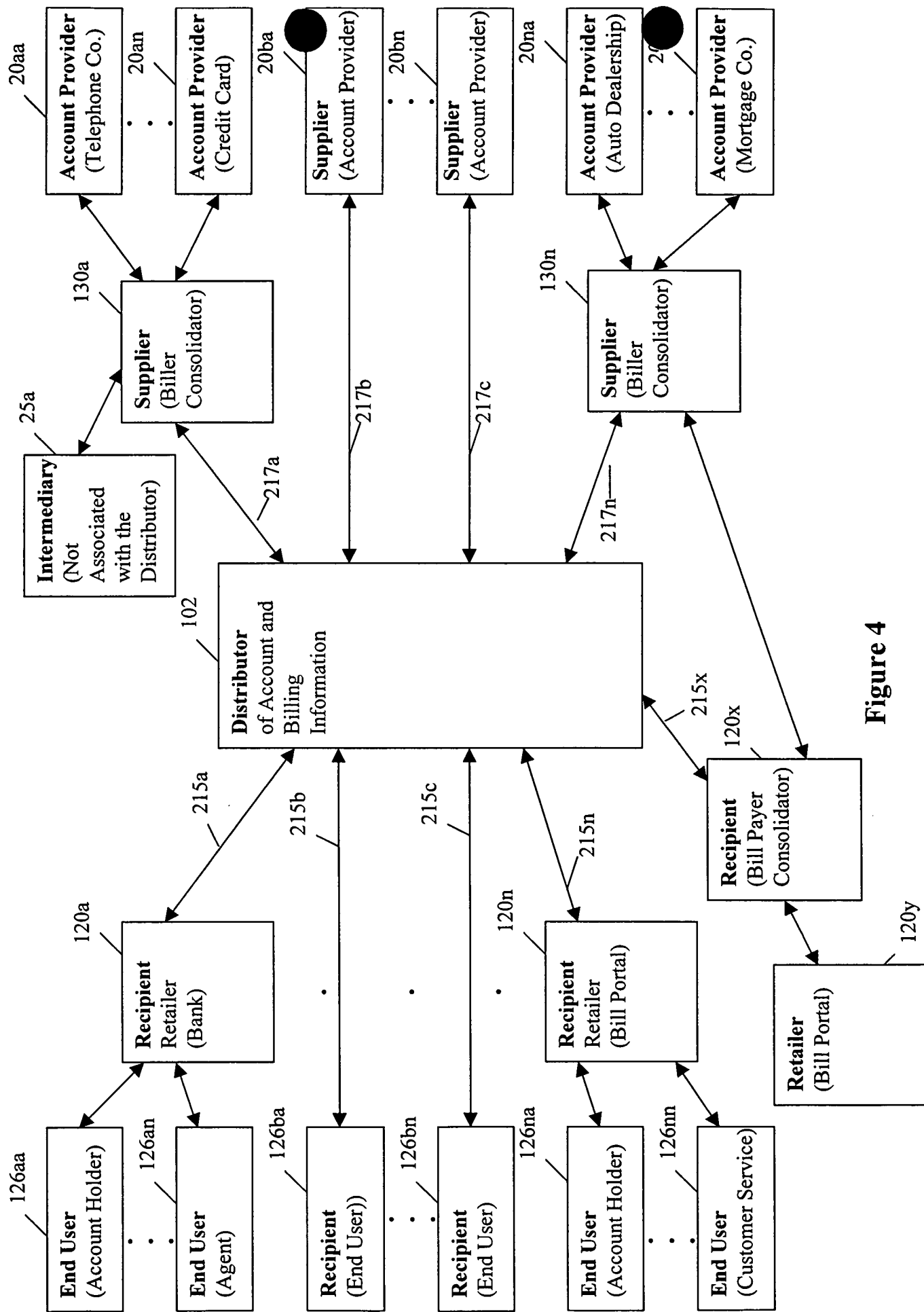


Figure 2



**Figure 3**



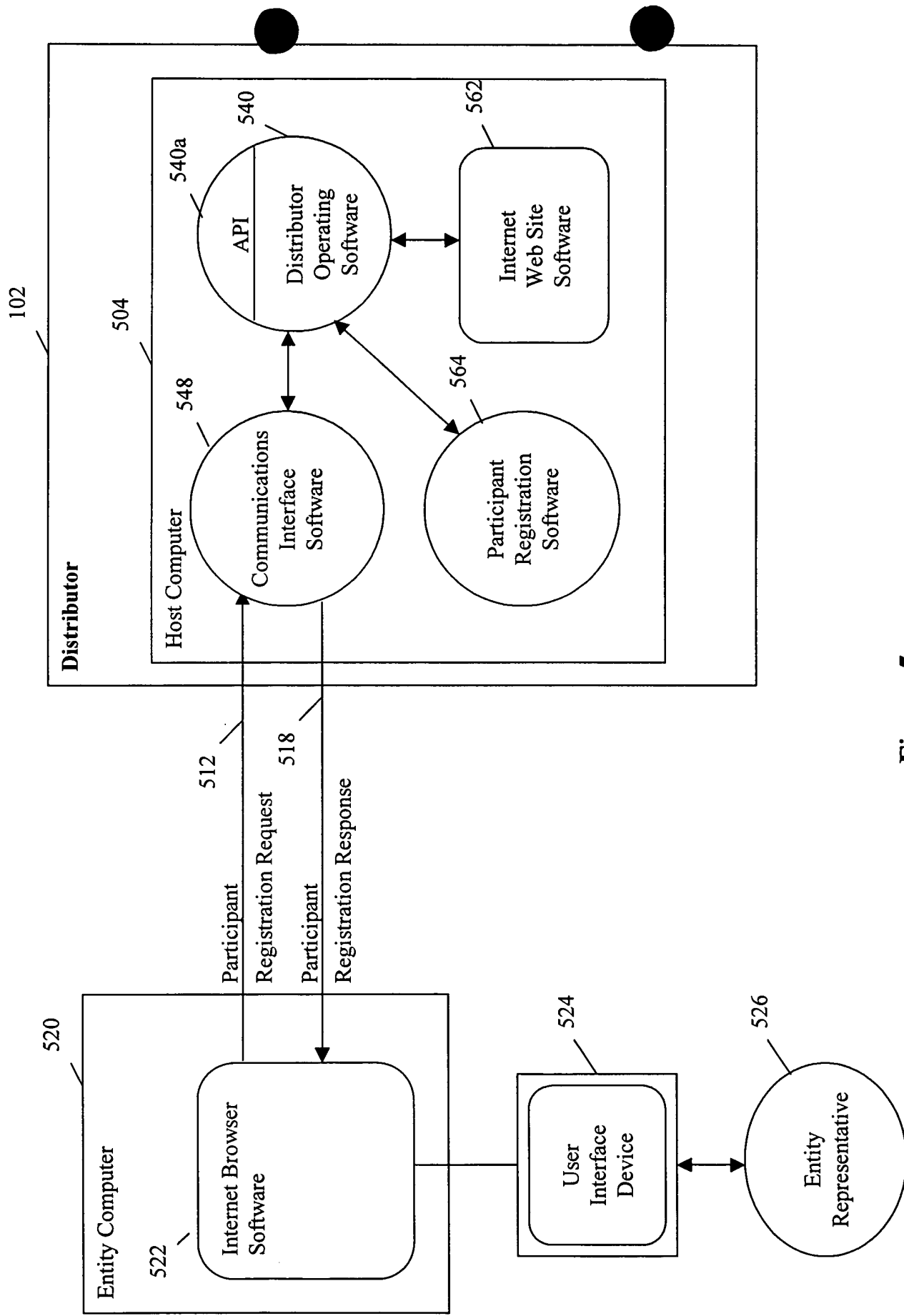


Figure 5

FIG. 6 is a block diagram of a system for providing account and billing information to a retail recipient computer.

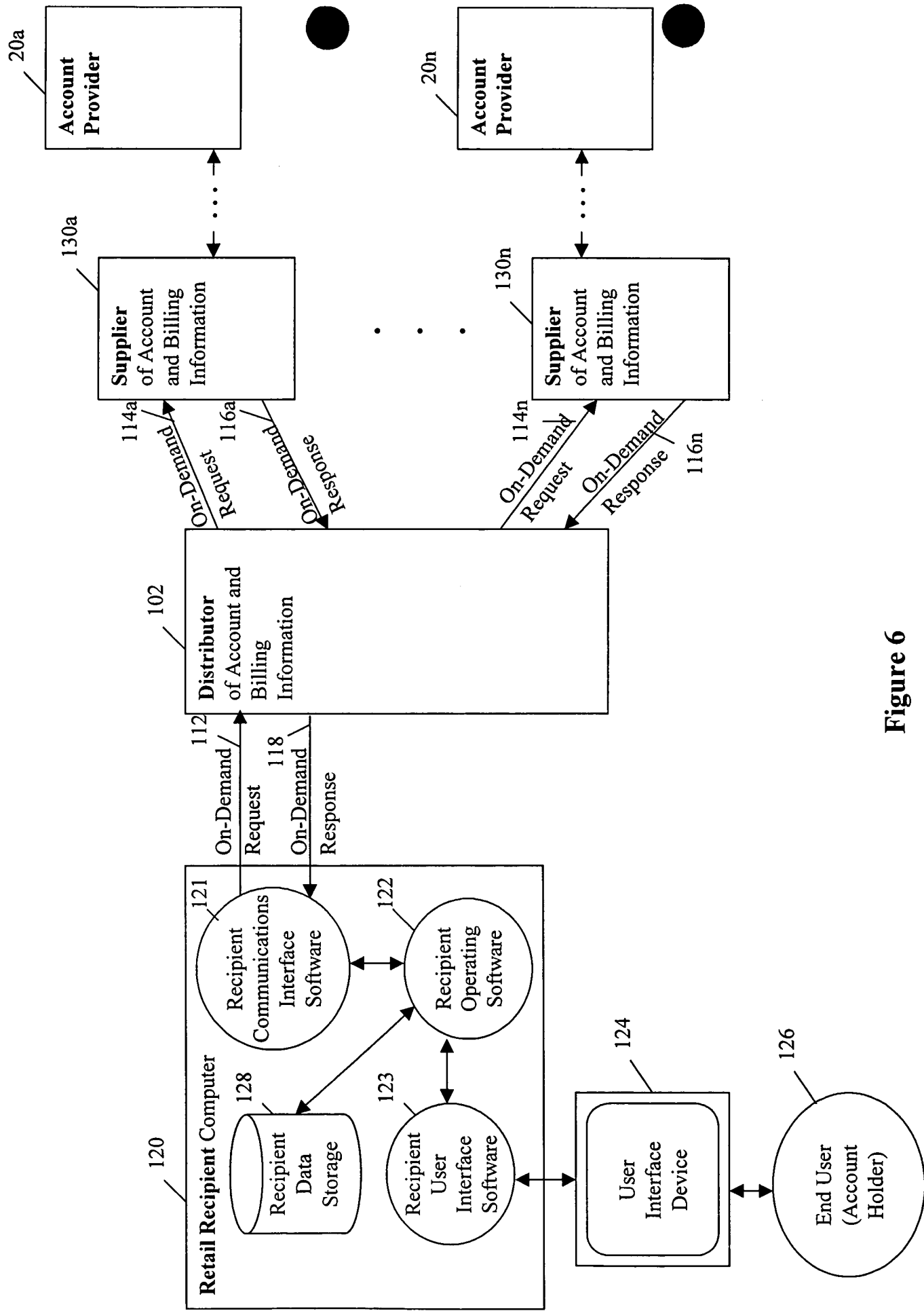
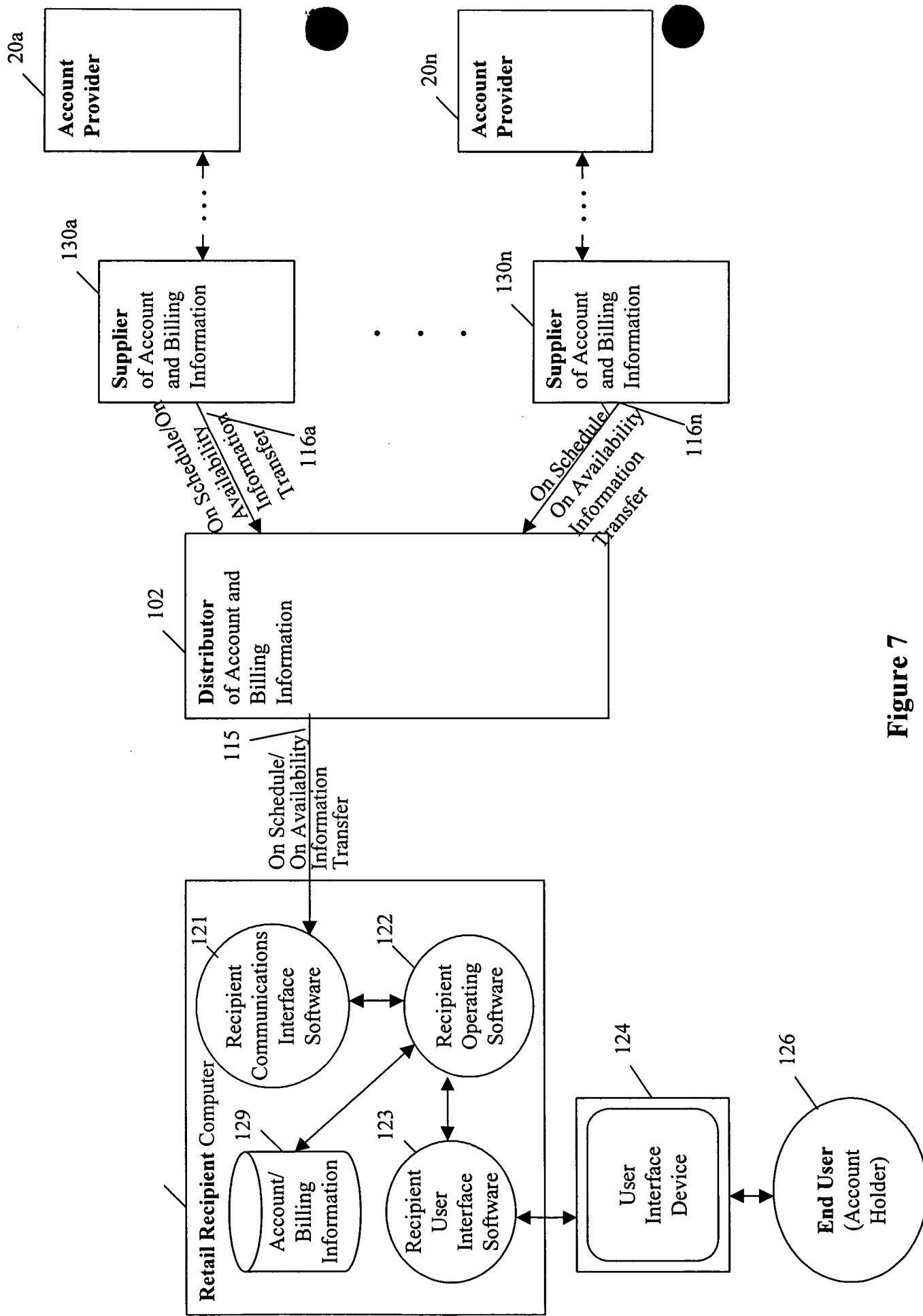


Figure 6



**Figure 7**

Summary Account and Billing Information

800

## Summary Account and Billing Information

802  
John Doe 804  
24 Smith Street 806  
Boston, MA

830  
Pay Now

	810	812	814
	<u>Date</u>	<u>Account</u>	<u>Amount</u>
820	10/28/90	New England Gas	64.90
822	11/1/90	International Credit Card	655.22
824	11/5/90	Boston Power	<u>43.24</u>
		Total	763.36
			826

Figure 8



Figure 9: Detailed Account and Billing Information

900

## Detailed Account and Billing Information

John Doe 902  
24 Smith Street 904  
Boston, MA 906  
Account # 14562930

International Credit Card Company 901

Pay Now

930

	910	912	914
	<u>Date</u>	<u>Charge</u>	<u>Amount</u>
920	9/4/90	Global Airlines	568.30
922	9/7/90	Halifax Hardware	14.68
924	9/11/90	Seattle Sea Grill	<u>72.24</u>
		Total	655.22
			926

Figure 9

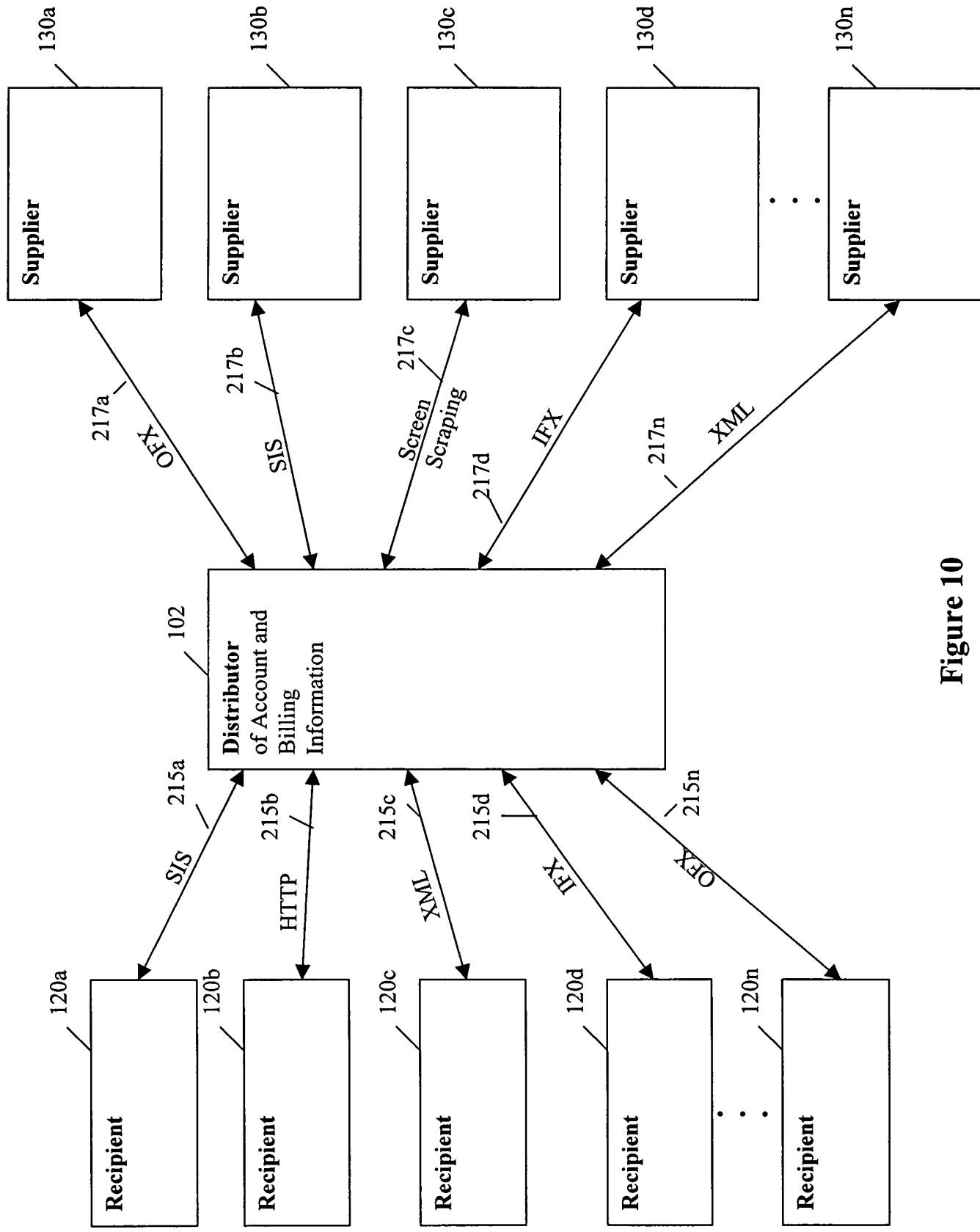
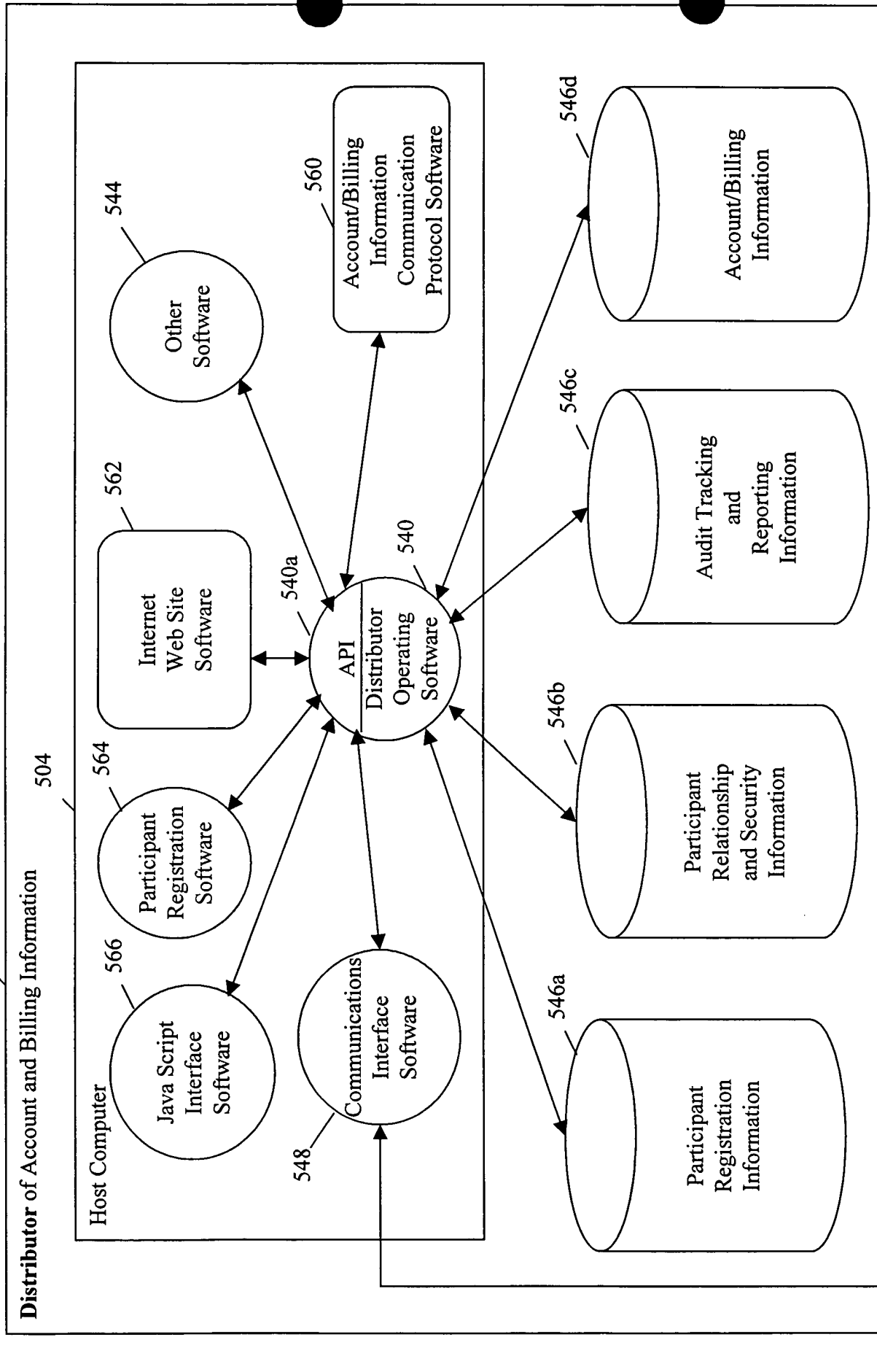


Figure 10



**Figure 11**

630

# Generator of Account and Billing Information

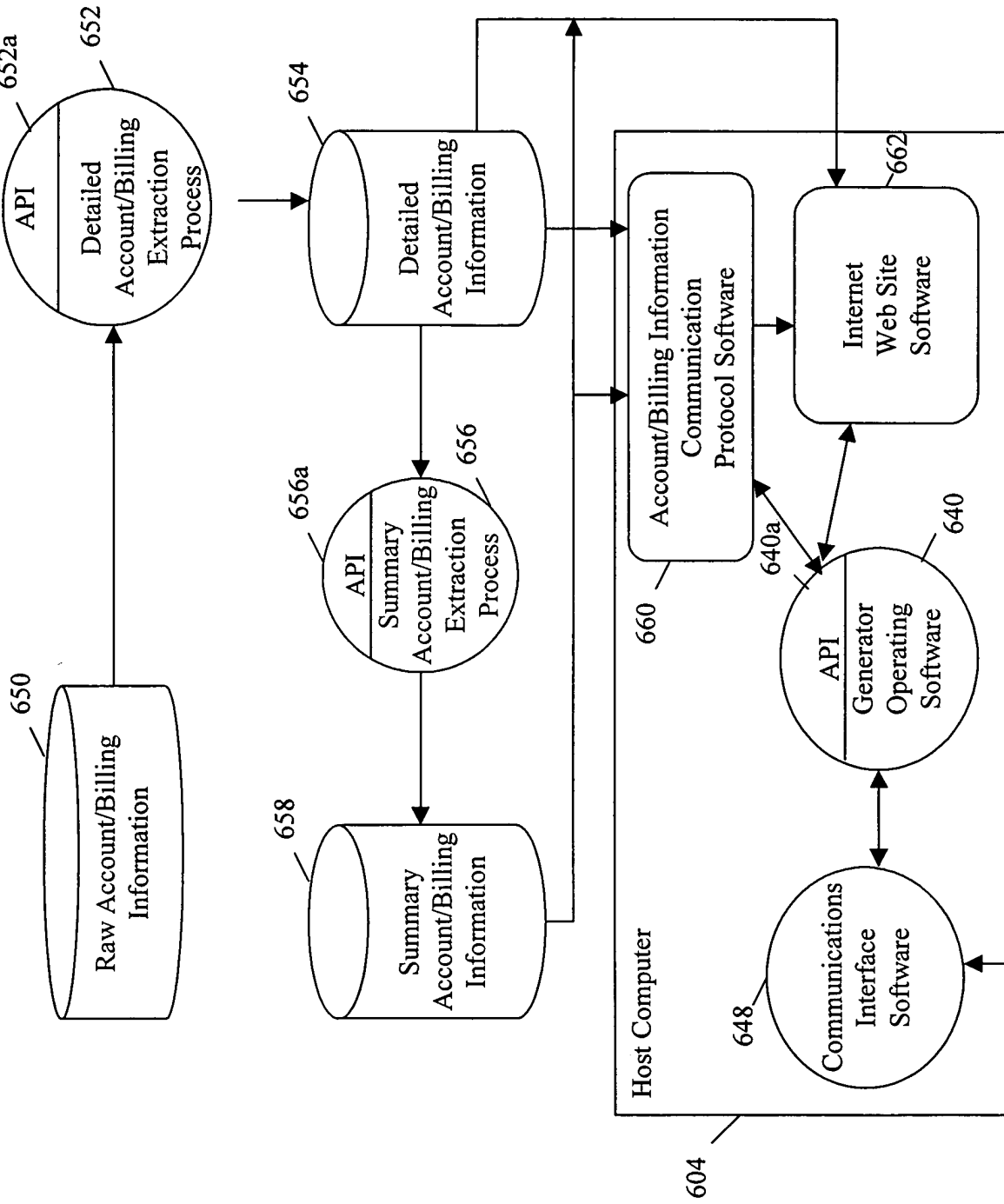
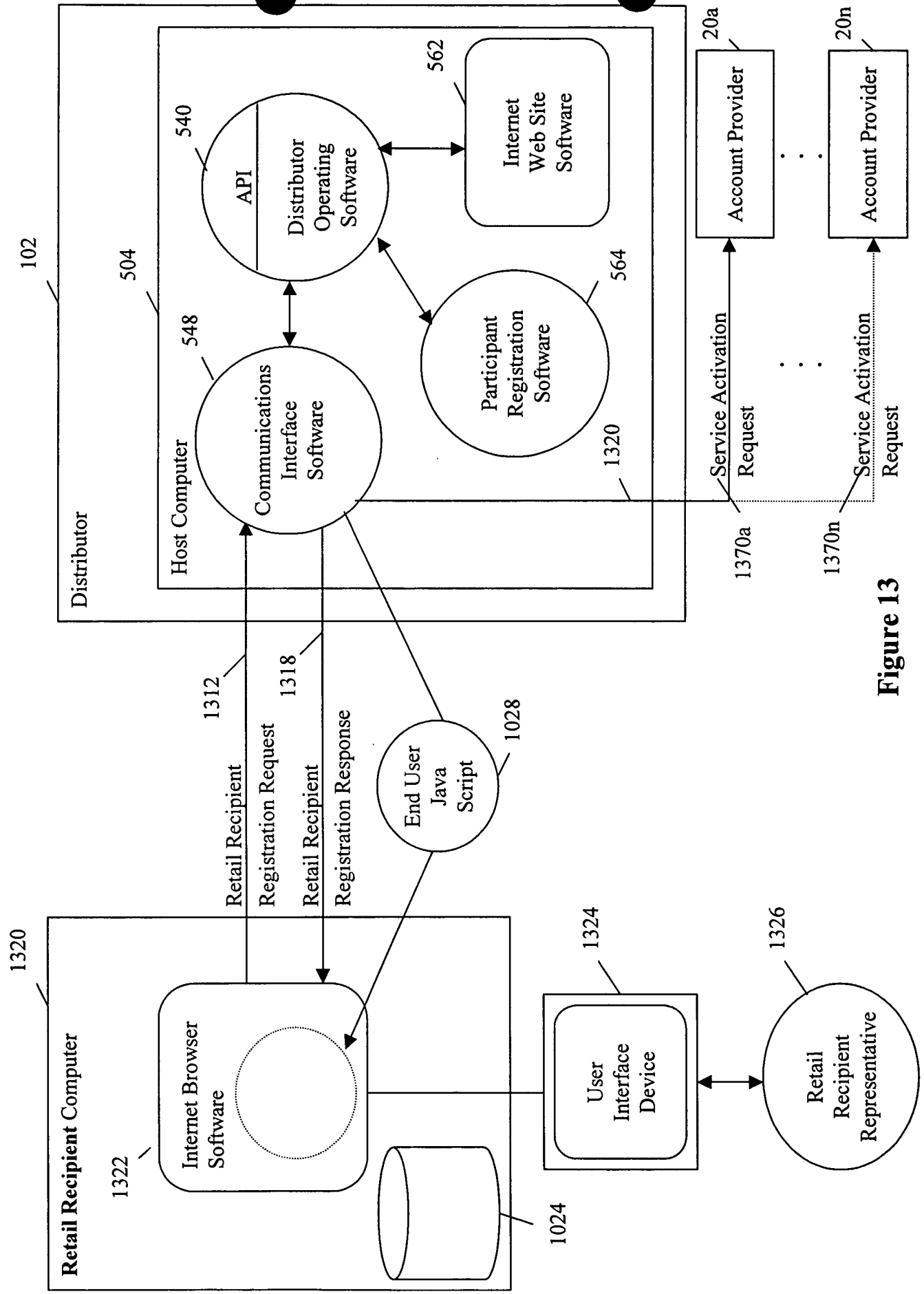
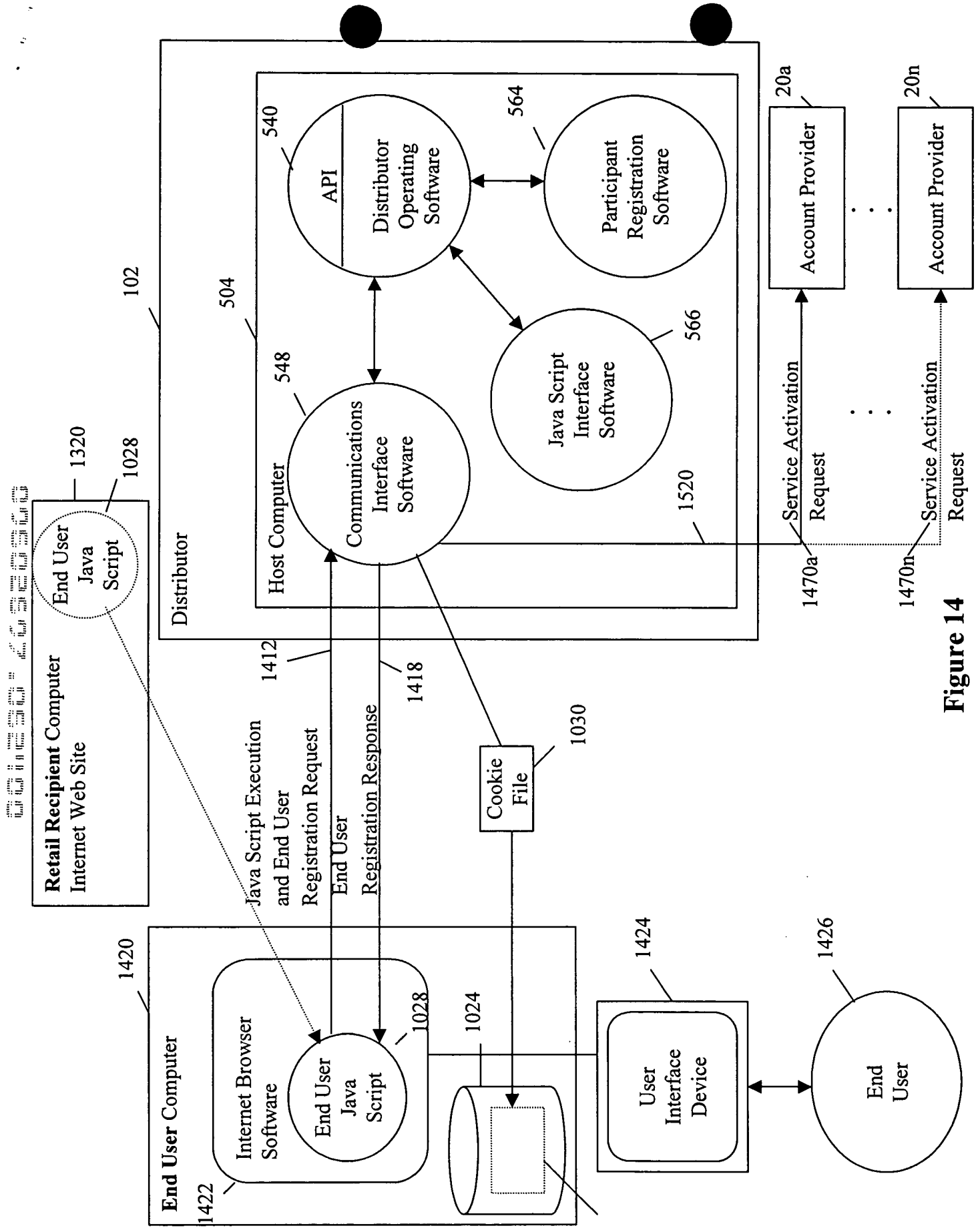


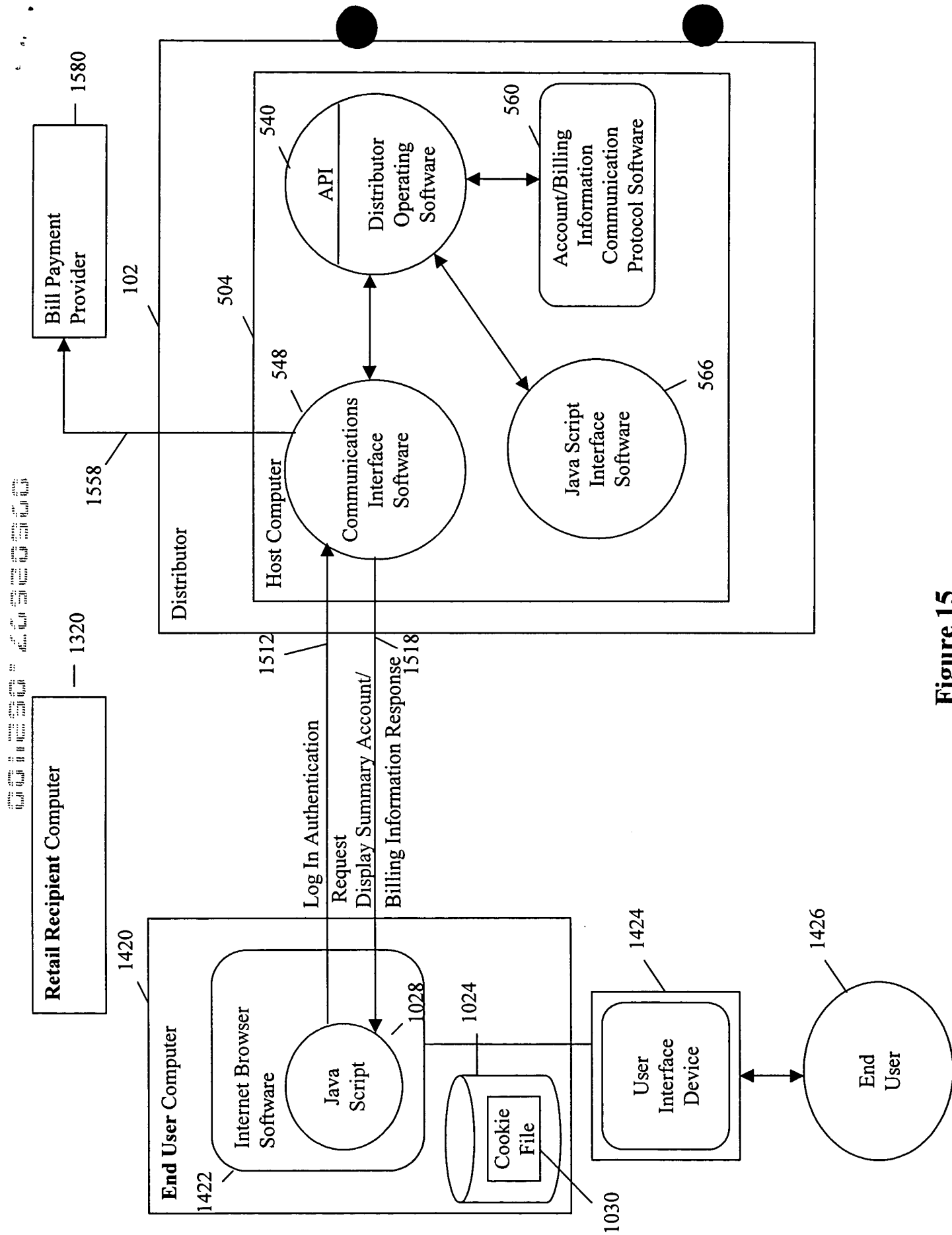
Figure 12



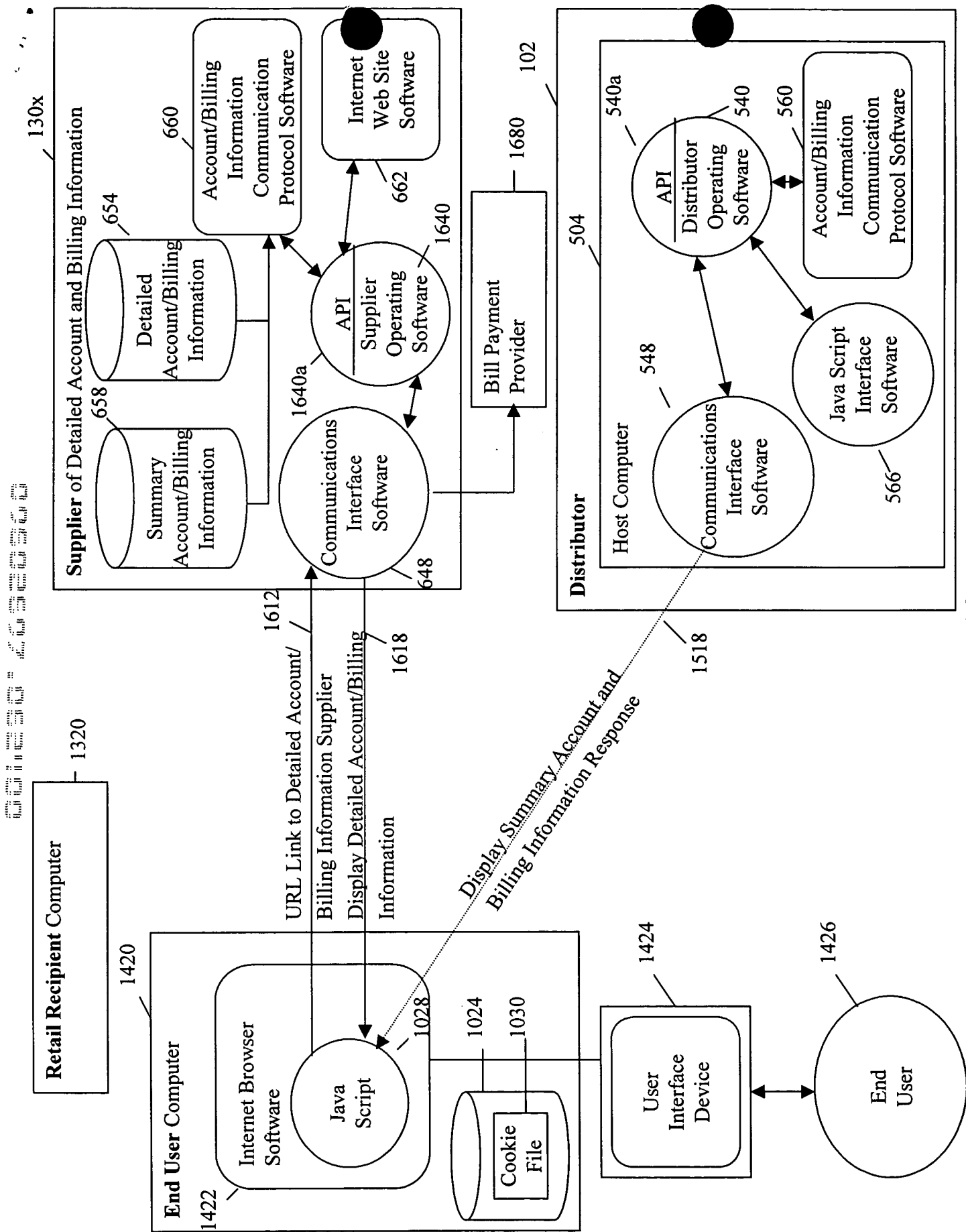
**Figure 13**



**Figure 14**

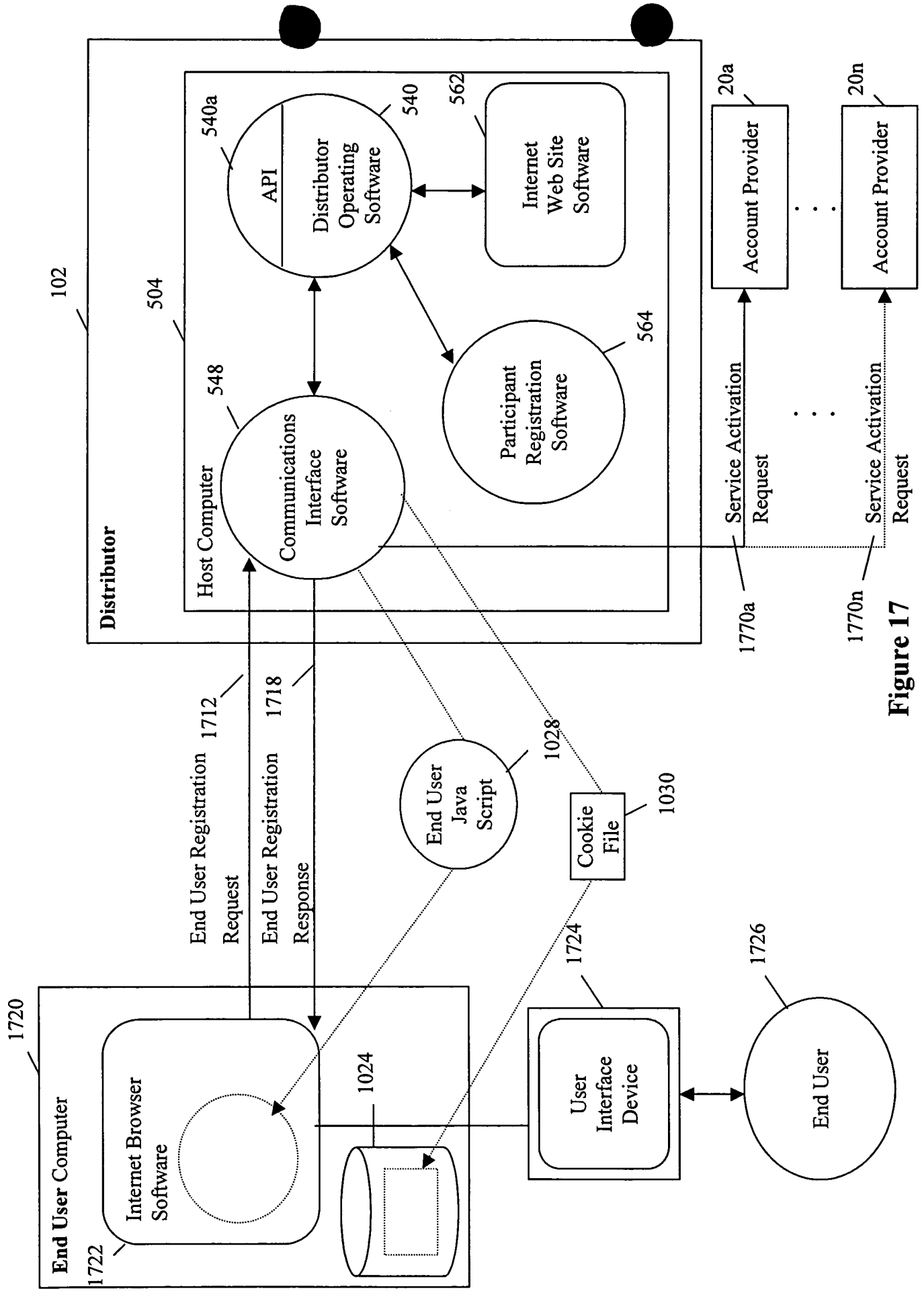


**Figure 15**

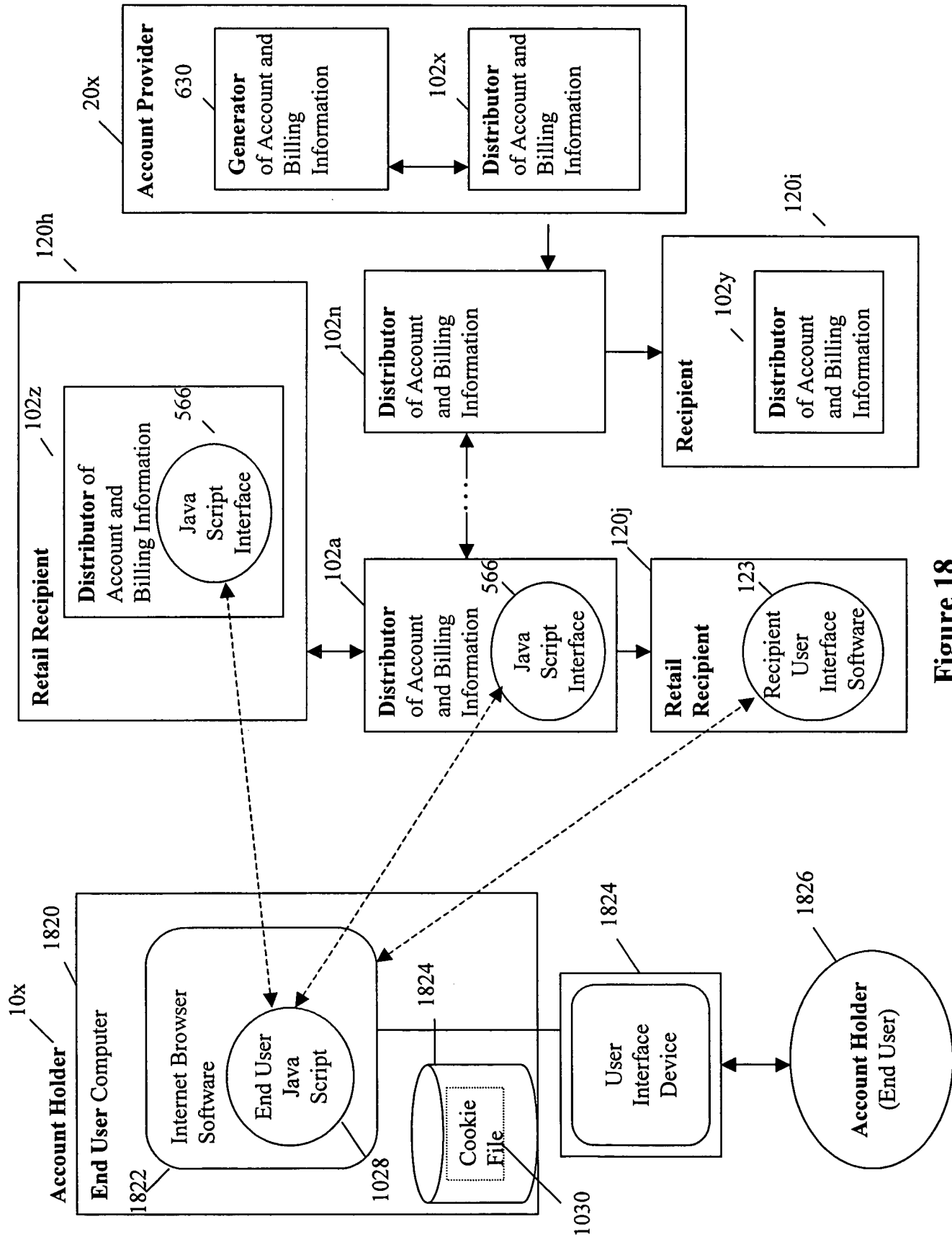


**Figure 16**





**Figure 17**



**Figure 18**

# Vertical Table (Column Descriptions)

22 ENTITY_ID	24 TABLE_ID	26 COL_ID	28 TYPE	30 LENGTH	32 ORDER	34 REQUIRED	36 STATE	38 LABEL	VALIDATION	FORMAT	STYLE	DISC	ETC...
Company1	AccountInfo	c01	CHAR	50	1	Y	Active	ACC No.					
Company1	AccountInfo	c02	CHAR	255	2	N	Active	Username					
Company1	AccountInfo	c03	Private		4	N	Active	PassCode					
Company1	AccountInfo	c04	DATE		3	N	Active	Birthday					
Company2	BillInfo	c01	CHAR	255	1	Y	Active	Username					
Company2	BillInfo	c02	CHAR	255	3	Y	Active	ACC No.					
Company2	BillInfo	c03	CHAR	255	2	N	Inactive	PassCode					

Variable sized and positioned table dependent forms determined at run-time

40  
Company1

42 ACC No. 44

46 Username 48

50 Birthday 52

54 PassCode 58

60  
Company2

62 Username 64

70 ACC No. 72

82 DISTRIBUTOR USER ID	84 ACCOUNT PROVIDER USER_ID	86 TABLE_ID	88 COL_ID	90 ENTERED VALUE
TOM SMITH	TSMITH-14	AccountInfo	c01	223345676
TOM SMITH	TSMITH-14	AccountInfo	c02	TSMITH-14
TOM SMITH	TSMITH-14	AccountInfo	c04	XXXXXX
ROBERT JONES	BJONES-11	BillInfo	c01	BJONES-11
ROBERT JONES	BJONES-11	BillInfo	c02	3439953232

Figure 19

# Vertical Table (Data Collected)